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A. List of Restoration Activities

The California Desert Protection Act that established Mojave National Preserve in 1994 also created 695,000 acres of wilderness within the Preserve. One portion in particular lies adjacent to a Bureau of Land Management off-highway vehicle (OHV) area and is vulnerable to encroachment and trespass by OHVs. The National Park Service has tried heightened patrols, signage, and temporary fencing in the most heavily trespassed segments, without noticeable success. This project will focus on an 8.19 mile section of the southwestern boundary of Mojave National Preserve adjacent to a developed BLM off-highway vehicle (OHV) area known as the Razor OHV Park. On most weekends hundreds of off road vehicles utilize this area, and on holiday weekends the use is measured in the thousands. The boundary was not marked or fenced. Subsequently, users of the area consistently cross over into the Preserve and into designated wilderness with motorized use ranging from sand rails to motorcycles and jeeps. Proposed is to place physical barriers will be placed in areas where high densities of traffic leaving the approved roadways have been noted. These barriers will be planned to take advantage of local topography to maximize effectiveness and minimize need for barriers. A variety of barriers will be used, including the placement of posts and cable, posts alone, and signs. A key objective of the project will be the placement of long term, sustainable post and cable barriers to the extent possible, to enhance protection and reduce long term maintenance costs. An estimated 8.19 miles of long term barriers will be constructed, providing direct, long-term enhanced protection for more than 75.4 square miles. In addition to the installation of barriers, illegal tracks and traces will be restored to prevent further soil erosion and remove the physical scar that may attract further illegal traffic. Restoration will include de-compaction of soils with hand tools, and in some cases, planting of native vegetation. In addition the barrier would require frequent attention by park staff to ensure that the barrier is intact, safety measures remain in place, and OHV users are reminded of the new installation. The reoccurring work would require the purchase of a lightweight utility vehicle (ATV) and utility trailer, as the National Park Service does not have access to this type of equipment. The barrier will protect both the natural and cultural resources of Mojave's wilderness and its intrinsic wilderness values, providing a visitor experience truer to the Wilderness Act of 1964 than currently exists.

B. How the Proposed Project Relates to OHV Recreation

When implemented this project would reduce a host and variety of conflicts. Currently conflicts and tension exists between OHV user and traditional Park Users, OHV users and the staff of California State University, and, OHV user groups and wilderness advocates. Additionally this project would address conflicting management practices between land management agencies.

C. Size of Project Site

The project proposes the construction and installation of approximately 8.19 miles of vehicle barrier.

D. Monitoring and Methodology

Monitoring would consist of inventorying and mapping disturbances caused by illegal trespass of off road vehicles. In January 2009 Park Staff spent 2 days inventorying and mapping recent activity that consisted of fresh tracks due to back to back holiday weekends. The work that was performed could serve as a baseline.

E. List of Reports

N/A

F. Goals, Objectives and Methodology / Peer Reviews

Not applicable

G. Plan for Protection of Restored Area

The project will be monitored and maintained by park staff (primarily law enforcement) on a regular basis. Frequent patrols and site visits will ensure that safety measures and the vehicle barrier are still intact and effective. The restoration work of park lands will be protective by the vehicle barrier.

Additional Documentation for Grants and Cooperative Agreements Program - 2008/2009 6/2/2009
Agency: National Park Service - Mojave National Preserve
Application: Restoration

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1. Project-Specific Maps

Attachments:

[Project Vicinity Map](#)

[Impacts to Wilderness - CY2009](#)

2. Project-Specific Photos

Attachments:

[Wilderness Boundary Impacts - Photo Pt 1](#)

[Wilderenss Boundary Impacts - Photo Pt 91](#)

[Proposed Barrier](#)

Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009
Agency: National Park Service - Mojave National Preserve
Application: Restoration

6/2/2009

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APPLICANT NAME :	National Park Service - Mojave National Preserve		
PROJECT TITLE :	Restoration	PROJECT NUMBER (Division use only) :	
PROJECT TYPE :	<input type="checkbox"/> Acquisition <input type="checkbox"/> Development <input type="checkbox"/> Education & Safety <input type="checkbox"/> Ground Operations <input type="checkbox"/> Law Enforcement <input type="checkbox"/> Planning <input checked="" type="checkbox"/> Restoration		
PROJECT DESCRIPTION :	<p>The California Desert Protection Act that established Mojave National Preserve in 1994 also created 695,000 acres of wilderness within the Preserve. One portion in particular lies adjacent to a Bureau of Land Management off-highway vehicle (OHV) area and is vulnerable to encroachment and trespass by OHVs. The National Park Service has tried heightened patrols, signage, and temporary fencing in the most heavily trespassed segments, without noticeable success. This project will focus on an 8.19 mile section of the southwestern boundary of Mojave National Preserve adjacent to a developed BLM off-highway vehicle (OHV) area known as the Razor OHV Park. On most weekends hundreds of off road vehicles utilize this area, and on holiday weekends the use is measured in the thousands. The boundary was not marked or fenced. Subsequently, users of the area consistently cross over into the Preserve and into designated wilderness with motorized use ranging from sand rails to motorcycles and jeeps. Proposed is to place physical barriers will be placed in areas where high densities of traffic leaving the approved roadways have been noted. These barriers will be planned to take advantage of local topography to maximize effectiveness and minimize need for barriers. A variety of barriers will be used, including the placement of posts and cable, posts alone, and signs. A key objective of the project will be the placement of long term, sustainable post and cable barriers to the extent possible, to enhance protection and reduce long term maintenance costs. An estimated 8.19 miles of long term barriers will be constructed, providing direct, long-term enhanced protection for more than 75.4 square miles. In addition to the installation of barriers, illegal tracks and traces will be restored to prevent further soil erosion and remove the physical scar that may attract further illegal traffic. Restoration will include de-compaction of soils with hand tools, and in some cases, planting of native vegetation. In addition the barrier would require frequent attention by park staff to ensure that the barrier is intact, safety measures remain in place, and OHV users are reminded of the new installation. The reoccurring work would require the purchase of a lightweight utility vehicle (ATV) and utility trailer, as the National Park Service does not have access to this type of equipment. The barrier will protect both the natural and cultural resources of Mojave's wilderness and its intrinsic wilderness values, providing a visitor experience truer to the Wilderness Act of 1964 than currently exists.</p>		

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
DIRECT EXPENSES							
Program Expenses							
1	Staff						
	Archeologist	120.000	40.800	HRS	0.00	4,896.00	4,896.00
	Other-Biologist	48.000	40.800	HRS	0.00	1,958.00	1,958.00
	Other-Project Manager	240.000	48.510	HRS	0.00	11,642.00	11,642.00
	Notes : Project Management including COTR representation						
	Other-Compliance	48.000	43.190	HRS	0.00	2,073.00	2,073.00
	Notes : Includes site visits, scoping of park and BLM neighbors,						

Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009
Agency: National Park Service - Mojave National Preserve
Application: Restoration

6/2/2009

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
	and NEPA						
	Other-Survey Crew	180.000	43.190		0.00	7,774.00	7,774.00
	Park Ranger Notes : Post project inventory, monitoring and patrols for compliance	1040.000	43.190		720.00	44,198.00	44,918.00
	Other-Contracting Support	80.000	52.100		0.00	4,168.00	4,168.00
	Total for Staff				720.00	76,709.00	77,429.00
2	Contracts						
	Other-Contracted Construction Services Notes : Construction and installation of approximately 8.19 miles of vehicle barrier.	1.000	260000.000	EA	260,000.00	0.00	260,000.00
3	Materials / Supplies						
	Signs Notes : Carsonite Sign Posts with signage	240.000	13.470	EA	3,233.00	0.00	3,233.00
4	Equipment Use Expenses						
	4x4 Vehicle	6.000	657.680	MOS	0.00	3,946.00	3,946.00
5	Equipment Purchases						
	Other-ATV	1.000	7349.000	EA	7,349.00	0.00	7,349.00
	Other-Trailer and tools	1.000	1199.000	EA	0.00	1,199.00	1,199.00
	Total for Equipment Purchases				7,349.00	1,199.00	8,548.00
6	Others						
7	Administrative Costs						
	Administrative Costs-Admin/HR/Contractin	240.000	47.640	HRS	0.00	11,434.00	11,434.00
	Total Program Expenses				271,302.00	93,288.00	364,590.00

Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009
Agency: National Park Service - Mojave National Preserve
Application: Restoration

6/2/2009

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
TOTAL DIRECT EXPENSES					271,302.00	93,288.00	364,590.00
TOTAL EXPENDITURES					271,302.00	93,288.00	364,590.00

Project Cost Summary for Grants and Cooperative Agreements Program - 2008/2009
Agency: National Park Service - Mojave National Preserve
Application: Restoration

6/2/2009

	Line Item	Grant Request	Match	Total	Narrative
DIRECT EXPENSES					
Program Expenses					
1	Staff	720.00	76,709.00	77,429.00	
2	Contracts	260,000.00	0.00	260,000.00	
3	Materials / Supplies	3,233.00	0.00	3,233.00	
4	Equipment Use Expenses	0.00	3,946.00	3,946.00	
5	Equipment Purchases	7,349.00	1,199.00	8,548.00	
6	Others	0.00	0.00	0.00	
7	Administrative Costs	0.00	11,434.00	11,434.00	
Total Program Expenses		271,302.00	93,288.00	364,590.00	
TOTAL DIRECT EXPENSES		271,302.00	93,288.00	364,590.00	
TOTAL EXPENDITURES		271,302.00	93,288.00	364,590.00	

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ITEM 1 and ITEM 2

ITEM 1

- a. ITEM 1 - Has a CEQA Notice of Determination (NOD) been filed for the Project? ☐ Yes ☒ No
(Please select Yes or No)

ITEM 2

- b. ITEM 2 - Are the proposed activities a "Project" under CEQA Guidelines Section 15378? ☐ Yes ☒ No
(Please select Yes or No)
- c. The Application is requesting funds solely for personnel and support to enforce OHV laws and ensure public safety. These activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. (Please select Yes or No) ☐ Yes ☒ No
- d. Other. Explain why proposed activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. DO NOT complete ITEMS 3 – 9

This project would follow under NEPA Guidelines and is considered a project. After initial scoping, site visits and preliminary archeological and biological assessments it has been determined that the NEPA pathway would be a Categorical Exclusion.

ITEM 3 - Impact of this Project on Wetlands

ITEM 4 - Cumulative Impacts of this Project

ITEM 5 - Soil Impacts

ITEM 6 - Damage to Scenic Resources

ITEM 7 - Hazardous Materials

Is the proposed Project Area located on a site included on any list compiled pursuant to Section 65962.5 of the California Government Code (hazardous materials)? (Please select Yes or No) ☐ Yes ☒ No

If YES, describe the location of the hazard relative to the Project site, the level of hazard and the measures to be taken to minimize or avoid the hazards.

ITEM 8 - Potential for Adverse Impacts to Historical or Cultural Resources

Would the proposed Project have potential for any substantial adverse impacts to historical or cultural resources? (Please select Yes or No) ☐ Yes ☒ No

If YES, describe the potential impacts and for any substantially adverse changes in the significance of historical or cultural resources and measures to be taken to minimize or avoid the impacts.

ITEM 9 - Indirect Significant Impacts

CEQA/NEPA Attachment

Attachments:

[PEPC Project Overview](#)
[PEPC Basic Form](#)
[PEPC Justification](#)
[PEPC Project Development](#)

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1. Project Cost Estimate - Q 1. (Auto populates from Cost Estimate)

1. As calculated on the Project Cost Estimate, the percentage of the Project costs covered by the Applicant is: 0

(Check the one most appropriate) (Please select one from list)

- ☐ 76% or more (10 points)
☐ 51% - 75% (5 points)
☐ 26% - 50% (3 points)
☒ 25% (Match minimum) (No points)

2. Natural and Cultural Resources - Q 2.

2. Natural and Cultural Resources - Failure to fund the Project will result in adverse impacts to: 8

(Check all that apply) (Please select applicable values)

- ☐ Domestic water supply (4 points)
☒ Archeological and historical resources identified in the California Register of Historical Resources or the Federal Register of Historic Places (3 points)
☒ Stream or other watercourse (3 points)
☒ Soils - Site actively eroding (2 points)
☒ Sensitive areas (e.g., wilderness, riparian, wetlands, ACEC) (2 point each, up to a maximum of 6) Enter number of sensitive habitats [Wilderenss]
☐ Threatened and Endangered (T&E) listed species (2 point each, up to a maximum of 6) Enter number of T&E species
☐ Other special-status species- Number of special-status species (1 point each, up to a maximum of 3) Enter number of special-status species

Describe the type and severity of impacts that might occur relative to the checked item(s):

Failure to take any action to prevent the adverse effects of off roading on NPS lands would be consequential to natural and cultural resources. The area of concern contains documented archeological, cultural, and historical sites, and is traversed by the Mojave River.

3. Reason for Project - Q 3.

3. Reason for the Project 3

(Check the one most appropriate) (Please select one from list)

- ☐ Protect special-status species or cultural site (4 points)
☐ Restore natural resource system damaged by OHV activity (4 points)
☒ OHV activity in a closed area (3 points)
☐ Alternative measures attempted, but failed (2 points)
☐ Management decision (1 point)
☐ Scientific and cultural studies (1 point)
☐ Planning efforts associated with Restoration (1 point)

Reference Document

Mojave National Preserve Environmental Impact Statement and General Management Plan

Mojave National Preserve Wilderness Management Plan (Internal Draft)

The California Desert Protection Act

4. Measures to Ensure Success - Q 4.

4. Measures to ensure success –The Project makes use of the following elements to ensure successful implementation 8

(Check all that apply) Scoring: 2 points each (Please select applicable values)

- ☒ Site monitoring to prevent additional damage
- ☒ Construction of barriers and other traffic control devices
- ☐ Use of native plants and materials
- ☒ Incorporation of universally recognized 'Best Management Practices'
- ☒ Educational signage
- ☐ Identification of alternate OHV routes to ensure that OHV activities will not reoccur in restored area

Explain each item checked above:

This project proposes three distinct stages prior to success. The first is to place physical barriers in areas where the OHV Park is adjacent to designated wilderness. Once the barriers are in place, Park Service supervised work crews will manually eliminate illegal tracks and evidence of illegal use. Areas will be restored to prevent further soil erosion and remove the physical scar that may attract further illegal traffic. Restoration will include de-compaction of soils with hand tools or possibly backhoe, raking with hand tools, and in some cases, planting of native vegetation. Once complete the area will be patrolled, for the sole purpose of education and safety.

5. Publicly Reviewed Plan - Q 5.

5. Is there a publicly reviewed and adopted plan (e.g., wilderness designation, land management plans, route designation decisions) that supports the need for the Restoration Project? 5

(Check the one most appropriate) (Please select one from list)

- ☐ No (No points) ☒ Yes (5 points)

Identify plan

Mojave National Preserve Environmental Impact Statement and General Management Plan
Mojave National Preserve Wilderness Management Plan (Internal Draft)
The California Desert Protection Act

In addition, various cultural resources studies have examined archeological resources in the Mojave National Preserve area. The most significant studies to this area are:

Davis, Brown, and Nichols, Evaluation of Early Human Activities and Remains in the California Desert (1980);
Warren, Knack, and Warren, A Cultural Resource Overview for the Amargosa-Mojave Basin Planning Units (1980);
Brooks, Wilson, and Brooks, An Archaeological Inventory Report of the Owlshead/Amargosa-Mojave Basin Planning Units of the Southern California Desert Area (1981);
King and Casebier, Background to Historic and Prehistoric Resources of the East Mojave Desert Region (1981).

6. Primary Funding Source - Q 6.

6. Primary funding source for future operational costs associated with the Project will be: 5

(Check the one most appropriate) (Please select one from list)

- ☒ Applicant's operational budget (5 points)
☐ Volunteer support and/or donations (3 points)
☐ Other Grant funding (2 points)
☐ OHV Trust Funds (No points)

If 'Operational budget' is checked, list reference document(s):

National Park Service Budget Justification (Greenbook)

7. Public Input - Q 7.

7.

The Project was developed with public input employing the following 2

(Check all that apply) Scoring: 1 point each, up to a maximum of 2 points (Please select applicable values)

- ☒ Meeting(s) with the general public to discuss Project (1 point)
- ☒ Conference call(s) with interested parties (1 point)
- ☒ Meeting(s) with stakeholders (1 point)

Explain each statement that was checked

In November 2008, during an open house/public meeting at Hole-in-the-Wall Fire Center, Park Management notified park users, park neighbors and the concessionaire that due to an increase in OHV use and the loss of natural and cultural resources in the Razor Area the park was going to planning on constructing a vehicle barrier along the shared boundary. In addition, Park Staff met with employees of the Bureau of Land Management, Barstow Field Office, as well as local OHV supportive businesses for the purpose of public scoping. And finally, during the Matril Luther Kind and President Day Weekends of 2009, Park Rangers notified OHV users to Razor of the vehicle barrier proposal

8. Utilization of Partnerships - Q 8.

8. The Project will utilize partnerships to successfully accomplish the Project. The number of partner organizations that will participate in the Project are 2

(Check the one most appropriate) (Please select one from list)

- ☐ 4 or more (4 points)
- ☒ 2 to 3 (2 points)
- ☐ 1 (1 point)
- ☐ None (No points)

List partner organization(s):

As of February of 2009, the following volunteer groups have expressed an interest in assisting the Park Service with restoration efforts:

- Mojave Public Land Trust
- Sierra Club

9. Scientific and Cultural Studies - Q 9.

9. Scientific and cultural studies will 1

(Check all that apply) (Please select applicable values)

- ☐ Determine appropriate Restoration techniques (2 points)
- ☐ Examine potential effects of OHV Recreation on natural or cultural resources (2 points)
- ☐ Examine methods to ensure success of Restoration efforts (1 point)
- ☒ Lead to direct management action (1 point)

Explain each item checked above

Due to the nature of this project, additional studies will be limited

10. Underlying Problem - Q 10.

10. The underlying problem that resulted in the need for the Restoration Project has been effectively addressed and resolved 3

(Check the one most appropriate) (Please select one from list)

- ☐ No (No points)
- ☒ Yes (3 points)

Explain 'Yes' answer

Construction of a vehicle barrier, minor maintenance, education, and frequent patrols of the area is expected to deliver full compliance.

11. Size of sensitive habitats - Q 11.

11. Size of sensitive habitats (e.g., wilderness, riparian, wetlands, ACEC) within the Project Area which will be restored 5

(Check the one most appropriate) (Please select one from list)

- ☒ Greater than 10 acres (5 points)
- ☐ 1 – 10 acres (3 points)
- ☐ Less than 1 acre (1 points)
- ☐ No sensitive habitat within Project Area (No points)